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(71) Applicant (for all designated States except US): **THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA** [US/US]; 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **STEDMAN, Hansell, H.** [US/US]; 1907 Berks Road, Norristown, PA 19403 (US). **BRIDGES, Charles, R.** [US/US]; 502 Van Lear's Run, Villanova, PA 19085 (US).

(74) Agents: **KODROFF, Cathy** et al.; Howson and Howson, Spring House Corporate Center, P.O. Box 457, Spring House, PA 19477 (US).

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(54) Title: METHODS, COMPOSITIONS AND APPARATUS FOR DELIVERING HETEROLOGOUS MOLECULES TO CELLS

(57) Abstract: A method for transferring a macromolecular complex to muscle cells by exsanguinating a region of the subject's microvasculature and delivering the complex to this region under high hydrostatic pressure. A balloon catheter having a balloon that extends substantially the full length of the cannula that is inserted into the subject is provided for use in the systemic delivery of macromolecular complex.



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